

# Ulrike Bauer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4646504/publications.pdf>

Version: 2024-02-01

20  
papers

709  
citations

623734

14  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

617  
citing authors

#	ARTICLE	IF	CITATIONS
1	The insect-trapping rim of <i>Nepenthes</i> pitchers. <i>Plant Signaling and Behavior</i> , 2009, 4, 1019-1023.	2.4	126
2	Harmless nectar source or deadly trap: <i>Nepenthes</i> pitchers are activated by rain, condensation and nectar. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 259-265.	2.6	101
3	Tree shrew lavatories: a novel nitrogen sequestration strategy in a tropical pitcher plant. <i>Biology Letters</i> , 2009, 5, 632-635.	2.3	91
4	Convergent and divergent evolution in carnivorous pitcher plant traps. <i>New Phytologist</i> , 2018, 217, 1035-1041.	7.3	49
5	Effect of pitcher age on trapping efficiency and natural prey capture in carnivorous <i>Nepenthes rafflesiana</i> plants. <i>Annals of Botany</i> , 2009, 103, 1219-1226.	2.9	48
6	Form follows function: morphological diversification and alternative trapping strategies in carnivorous <i>Nepenthes</i> pitcher plants. <i>Journal of Evolutionary Biology</i> , 2012, 25, 90-102.	1.7	45
7	Evidence for alternative trapping strategies in two forms of the pitcher plant, <i>Nepenthes rafflesiana</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 3683-3692.	4.8	44
8	With a Flick of the Lid: A Novel Trapping Mechanism in <i>Nepenthes gracilis</i> Pitcher Plants. <i>PLoS ONE</i> , 2012, 7, e38951.	2.5	29
9	How to catch more prey with less effective traps: explaining the evolution of temporarily inactive traps in carnivorous pitcher plants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142675.	2.6	28
10	“Insect aquaplaning” on a superhydrophilic hairy surface: how <i>Heliamphora nutans</i> Benth. pitcher plants capture prey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122569.	2.6	26
11	Mechanical Ecology—Taking Biomechanics to the Field. <i>Integrative and Comparative Biology</i> , 2020, 60, 820-828.	2.0	23
12	Mechanism for rapid passive-dynamic prey capture in a pitcher plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13384-13389.	7.1	18
13	Disentangling the role of surface topography and intrinsic wettability in the prey capture mechanism of <i>Nepenthes</i> pitcher plants. <i>Acta Biomaterialia</i> , 2021, 119, 225-233.	8.3	16
14	An ecological perspective on water shedding from leaves. <i>Journal of Experimental Botany</i> , 2022, 73, 1176-1189.	4.8	16
15	Complexity and diversity of motion amplification and control strategies in motile carnivorous plant traps. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210771.	2.6	14
16	A portable extensional rheometer for measuring the viscoelasticity of pitcher plant and other sticky liquids in the field. <i>Plant Methods</i> , 2015, 11, 16.	4.3	12
17	Carnivorous <i>Nepenthes</i> pitcher plants are a rich food source for a diverse vertebrate community. <i>Journal of Natural History</i> , 2016, 50, 483-495.	0.5	9
18	Shedding light on photosynthesis in carnivorous plants. A commentary on: “ <i>Nepenthes</i> ... <i>ventrata</i> photosynthesis under different nutrient applications”. <i>Annals of Botany</i> , 2020, 126, iv-v.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Inside the trap: Biology and behavior of the pitcher-dwelling crab spider, <i>Misumenops nepenthicola</i> . <i>Plants People Planet</i> , 2020, 2, 290-293.	3.3	6
20	New insights and opportunities from taking a biomechanical perspective on plant ecology. <i>Journal of Experimental Botany</i> , 2022, 73, 1063-1066.	4.8	2